

Paper #3

Sheet 1 of 8

U.S. Department of Commerce, Patent and Trademark Office		Atty Docket No.	Serial No.
		M-9181-2C US	Not yet assigned
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Applicant(s)	PT
(Use several sheets if necessary)		Mary Chen	U.S.
		Filing Date	Group 05
		Herewith	905/09/13/00



U.S. Patent Documents

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
VA	AA	3,926,723	12/16/75	Green et al.	435	392	
VA	AB	4,724,206	02/09/88	Rupp et al.	435	68	
	AC	5,122,469	06/16/92	Mather et al.	435	383	
	AD	5,151,359	09/29/92	Miyahara et al.	435	226	
	AE	5,284,763	02/08/94	Derynk et al.	435	360	
	AF	5,474,931	12/12/95	DiSorbo et al.	435	407	
VA	AG	5,856,179	01/05/99	Chen et al.	435	325	

Foreign Patent Documents

							Translation
		Document	Date	Country	Class	Subclass	Yes
VA	r	AH	387,840	EPO			
VA	AI	481,791	04/22/92	EPO			
VA	AJ	1-101882	04/19/89	Japan			
VA	AK	WO 87/00195	01/15/87	PCT			
VA	AL	WO 88/01643	03/10/88	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

VA	AM	Dircks et al., "High Glucose Concentrations Inhibit Protein Synthesis in Retinal Pigment Epithelium In Vitro" <i>Exp. Eye Res.</i> 44:951-958 (1987).
VA	AN	Fine et al., "Cell Culture Factors Influencing In Vitro Expression of Mouse Mammary Tumor Virus" <i>In Vitro</i> 12(10):693-701 (1976).
VA	AO	Fleischaker, Jr., "An Experimental Study in the Use of Instrumentation to Analyze Metabolism and Product Formation in Cell Culture" <i>Massachusetts Institute of Technology</i> (Ph.D. Thesis) pps. 196-229 (1982).

Examiner *V. Knimond* Date Considered *11-08-01*

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)					Applicant(s)	03/66/167		
					Mary Chen			
					Filing Date	Group		
					Herewith	Not yet assigned		
U.S. Patent Documents								
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<i>[Handwritten notes and signatures throughout the table]</i>								
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
<i>VA</i>	AP	WO 89/04867	06/01/89	PCT				
<i>VA</i>	AQ	2,251,249	07/01/92	UK				
<i>[Handwritten notes and signatures throughout the table]</i>								
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
	AR	Forman et al., "On-Line Monitoring and Control of Fermentation and Cell Culture Processes by Flow Injection Analysis" <i>Biosensors and Flow Injection Analysis in Bioprocess Control</i> (Oral Presentation), Freising, Germany (April 8, 1992). <i>not considered</i>						
<i>VA</i>	AS	Garcia-Perez et al., "Molecular Cloning of cDNA Coding for Kidney Aldose Reductase" <i>Journal of Biological Chemistry</i> 264(28):16815-16821 (1989).						
<i>VA</i>	AT	Glacken et al., "Reduction of Waste Product Excretion via Nutrient Control: Possible Strategies for Maximizing Product and Cell Yields on Serum in Cultures of Mammalian Cells" <i>Biotechnol. Bioeng.</i> 28:1376-1389 (1986).						
Examiner	<i>V. A. Forman</i>		Date Considered	<i>11-08-01</i>				

U.S. Department of Commerce, Patent and Trademark Office			Atty Docket No.	Serial No. <input type="text"/>				
			M-9181-2C US	Not yet assigned				
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)			Applicant(s)	09/661,161				
			Mary Chen					
			Filing Date	Group				
			Herewith	Not yet assigned				
U.S. Patent Documents								
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
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Foreign Patent Documents					Translation			
		Document	Date	Country	Class	Subclass	Yes	No
<i>[Handwritten notes and signatures, including a large '2' and 'J' through the table rows]</i>								
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>VA</i>	AU	Graf et al., "Development of a Continuous Perfusion System for the Cultivation of Animal Cells" <i>DECHEMA Biotechnol. Conf.</i> 3:615-618 (1989).						
<i>VA</i>	AV	Hardjito et al., "Recombinant Protein Production via Fed-Batch Culture of the Yeast <i>Saccharomyces Cerevisiae</i> " <i>Enzyme Micro. Technol.</i> 15:120-126 (1993).						
<i>VA</i>	AW	Huang et al., "On-line determination of glucose concentration throughout animal cell cultures based on chemiluminescent detection of hydrogen peroxide coupled with flow-injection analysis" <i>Journal of Biotechnology</i> 18:161-162 (1991).						
Examiner	<i>V. Afremova</i>		Date Considered	<i>11-08-01</i>				
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U.S. Patent Documents

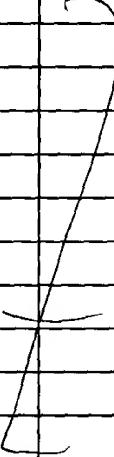
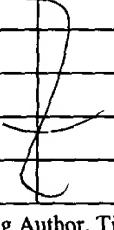
Foreign Patent Documents

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

VA	AX	Tijima, "Effective Production of Biological Substances by High Cell Density Cultivation" <i>Journal of Society of Fermentation Engineering – Hakko Kogaku Kai Shi</i> (with English translation) 69(6):507-520 (1991).
VA	AY	Loibner et al., "On-line Glucose Control of Animal Cell Cultures in Fluidized Beds" <i>Biosensors and Flow Injection Analysis in Bioprocess Control (Poster Presentation)</i> , Freising, Germany (April 8, 1992).
VA	AZ	Miner et al, "In vivo and in vitro Production and Detection of Monoclonal Antibodies to Surface Components on Metastatic Variants of Murine Tumor Cells" <i>Invasion Metastasis</i> 1:158-174 (1981).

Examiner V. Agnosa Date Considered 11-08-01

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Foreign Patent Documents							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
								
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>VA</i>	BG	Waymouth, "Osmolality of Mammalian Blood and of Media for Culture of Mammalian Cells" <i>In Vitro</i> 6(2):109-127 (1970).						
<i>VA</i>	BH	Werner et al., "Mammalian Cell Cultures, Part II: Genetic Engineering, Protein Glycosylation, Fermentation, and Process Control" <i>Arzneim.-Forsch./Drug Res.</i> 43(11):1242-1249 (1993).						
<i>VA</i>	BI	Xie and Wang, "Applications of Improved Stoichiometric Model in Medium Design and Fed-Batch Cultivation of Animal Cells in Bioreactor" <i>Cytotechnology</i> 15:17-29 (1994).						
Examiner	<i>V. Agnemoa</i>		Date Considered	<i>11-08-01</i>				

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<i>(Handwritten list of 10 U.S. Patent entries, each with a large 'X' drawn through it)</i>								
Foreign Patent Documents								
							Translation	
		Document	Date	Country	Class	Subclass	Yes	No
<i>(Handwritten list of 10 Foreign Patent entries, each with a large 'X' drawn through it)</i>								
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)								
<i>VA</i>	BJ	Kurano et al., "Growth Behavior of Chinese Hamster Ovary Cells in a Compact Loop Bioreactor 2. Effects of Medium Components and Waste Products" Journal of Biotechnology 15:113-128 (July, 1990).						
<i>VA</i>	BK	Kurano et al., "Growth Behavior of Chinese Hamster Ovary Cells in a Compact Loop Bioreactor. 1. Effects of Physical and Chemical Environment" Journal of Biotechnology 15:101-112 (July, 1990).						
<i>VA</i>	BL	GIBCO-BRL LIFE TECHNOLOGIES:1993-1994 Catalogue and Reference Guide, pages 1-16 to 1-24 (1993).						
Examiner <i>V. H. Henze</i>		Date Considered		<i>11-08-01</i>				
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